ABSTRACT OF THE DISCLOSURE

A system (**100**) for processing simplex and multiplexed voice packets transmitted over a network is disclosed. The system (**100**) may include a processor (**102**) and a compare section (**104**). A compare section (**104**) may include simplex entries (**110-0**) and multiplex entries (**110-1**). The compare section (**104**) can compare voice packet information with simplex entries (**110-0**) and multiplex entries (**110-1**) simultaneously to correlate voice packet data with a given voice channel.

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